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(54) Title: RECOMBINANT LIPIDATED PsaA PROTEIN, METHODS OF PREPARATION AND USE

(57) Abstract

The present invention relates to recombinant lipidated PsaA proteins and recombinant constructs from which such lipidated PsaA proteins may be expressed. The invention relates further to lipidated PsaA proteins in which lipidation is effected by the use of a heterologous leader sequence derived from the *ospA* gene of *Borrelia burgdorferi*, which leader sequence is joined in translational reading frame with the *psaA* structural gene. The invention also provides methods of preparation of lipidated PsaA proteins and use of such proteins in immunological compositions. Also provided are vaccines comprising immunogenic lipidated PsaA proteins and methods of use of such vaccines in the prevention and treatment of *Spneumoniae* infection.